Seagate
We turn on ideas

Savvio

The Smart Business Decision

A breakthrough product speeding business efficiency through savvy storage solutions

73 and 36 Gbytes • 10K RPM • First 2.5-Inch Enterprise Drive
Ultra320 SCSI, 2-Gbit/sec Fibre Channel and Serial Attached SCSI (SAS)

Key Advantages

- 70 percent smaller drive size allows integration of more drives into a smaller chassis like 1U servers and modular storage arrays.
- Sub 8.0-watt seek enables tightly packed drives to operate cooler.
- Industry's highest reliability at 1.4M hours MTBF assures non-stop operation.
- Most expansive interface selection creates scalable situation-ready servers and storage systems.
- Improved ROI results from faster performance, improved space utilization and less ancillary infrastructure requirements.

Best-Fit Applications

- Rack-optimized 1U and 2U servers
- Blade servers
- Rack-optimized storage arrays
- Size-constrained specialty application

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The Seagate® 3D Defense System™— No One Does More to Protect Your Drives

DRIVE DEFENSE

- SeaShell™ packaging provides more than 1,000 Gs shock protection during handling, reducing returns up to 70 percent.

DATA DEFENSE

- Seagate Advanced Multidrive System (SAMS) reduces effects of rotational vibration generated by drives operating simultaneously.

DIAGNOSTIC DEFENSE

- SeaTools™ (available in Desktop and Enterprise editions)—this disc diagnostic utility prevents the expense and inconvenience of returning healthy drives.

World-Class Technical Support

- Certified, experienced support staff
- Rated "above average to excellent" by 95 percent of our customers
- Support lines with the shortest wait times in the industry
- Individually archived case histories for quick reference
- Web-based Q&A forum and autoreply e-mail
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

www.seagate.com
1-800-732-4283 (1-800-SEAGATE)

Specifications		73 GB[1]	36 GB[1]
Model Number		ST973401LC/FC/SS	ST936701LC/FC/SS
Capacity			
Formatted 512 Kbytes/Sector (Gbytes)		73.4	36.7
External Transfer Rate (Mbytes/sec)			
Ultra320 SCSI		320	320
2-Gbit/sec FibreChannel		200	200
3-Gbit/sec Serial Attached SCSI		300	300
Performance			
Spindle Speed (RPM)		10K	10K
Average Latency (msec)		3.0	3.0
Seek Time			
Average Read/Write (msec)		4.1/4.5	4.1/4.5
Track-to-Track Read/Write (msec)		0.4/0.7	0.4/0.7
Transfer Rate			
Internal (Mbits/sec)		497 to 752	497 to 752
Internal Formatted (Mbytes/sec)		62 to 94	62 to 94
Sustained (Mbytes/sec)		41 to 63	41 to 63
Cache, Multisegmented (Mbytes)		8	8
Configuration/Organization			
Discs		2	1
Heads		4	2
Nonrecoverable Read Errors per Bits Read		1 sector per 10^{15}	1 sector per 10^{15}
MTBF (hours/AFR)		1,400,000/0.63%	1,400,000/0.63%
Power Management			
Typical Op (amps) +12V/+5V	SCSI	0.34/0.81	0.32/0.81
	Fibre Channel	0.34/0.95	0.32/0.95
	Serial Attached SCSI	.48/1.05	.47/1.08
Power Idle (watts)	SCSI	5.1	4.8
	Fibre Channel	6.8	6.5
	Serial Attached SCSI	7.43	7.49
Environmental			
Temperature, Operating (°C)		5 to 55	5 to 55
Temperature, Nonoperating (°C)		–40 to 70	–40 to 70
Shock, Operating: 2 msec (Gs)		60	60
Shock, Nonoperating: 2 msec (Gs)		275	275
Acoustics Idle (bels—sound power)		2.6	2.4
Vibration, Operating: <400 Hz (Gs)		0.5	0.5
Vibration, Nonoperating: <500 Hz (Gs)		1.2	1.2
Physical			
Height (in/mm)		0.591/15	0.591/15
Width (in/mm)		2.76/70.1	2.76/70.1
Depth (in/mm)		4.38/111.2	4.38/111.2
Weight (lb/kg)		0.5/0.21	0.5/0.21
Warranty			
Limited Warranty (years)		5	5

[1] One gigabyte (sometimes "Gbyte" or "GB") equals one billion bytes when referring to hard drive capacity. Accessible capacity may vary depending on operating environment and formatting.

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